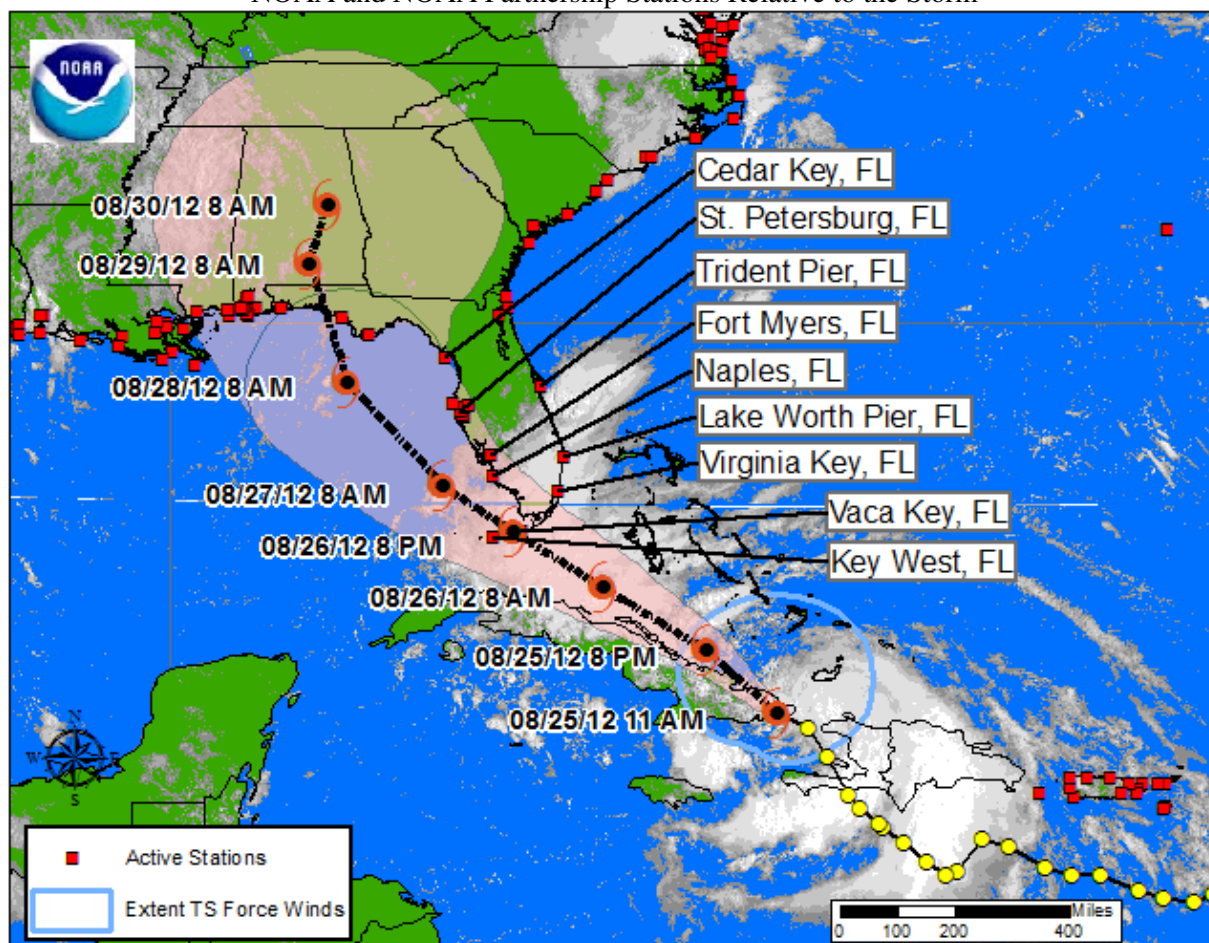




Tropical Storm ISAAC QuickLook  
Posted: 12:00 EDT 08/25/2012

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/25/2012 12:00 EDT, water levels along the central and southern coast of Florida are at or near predicted tide levels. Sporadic wind gusts over 25 knots have been observed from Vaca Key to Lake Worth Pier, FL, however these winds are not associated with Isaac. Barometric pressure is gradually falling along the Florida Keys.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Key West, FL: Next predicted high tides are 1.1 ft (0.33 m) at 08/25/2012 18:16 EDT and 2.1 ft (0.64 m) at 08/26/2012 05:27 EDT.

Vaca Key, FL: Next predicted high tides are 1.1 ft (0.34 m) at 08/26/2012 08:22 EDT and 0.7 ft (0.21 m) at 08/27/2012 00:49 EDT.

Tropical Storm ISAAC QuickLook, POSTED 12:00 EDT 08/25/2012

Virginia Key, FL: Next predicted high tides are 2.3 ft (0.69 m) at 08/25/2012 16:26 EDT and 2.2 ft (0.69 m) at 08/26/2012 04:40 EDT.

Lake Worth Pier, FL: Next predicted high tides are 3.2 ft (0.98 m) at 08/25/2012 15:26 EDT and 2.8 ft (0.86 m) at 08/26/2012 03:36 EDT.

Trident Pier, FL: Next predicted high tides are 4.3 ft (1.30 m) at 08/25/2012 15:05 EDT and 3.4 ft (1.03 m) at 08/26/2012 03:17 EDT.

Naples, FL: Next predicted high tides are 2.2 ft (0.67 m) at 08/25/2012 21:28 EDT and 3.1 ft (0.94 m) at 08/26/2012 08:04 EDT.

Fort Myers, FL: Next predicted high tides are 0.9 ft (0.28 m) at 08/26/2012 01:11 EDT and 1.6 ft (0.50 m) at 08/26/2012 11:29 EDT.

St. Petersburg, FL: Next predicted high tides are 2.6 ft (0.80 m) at 08/26/2012 09:18 EDT and 1.6 ft (0.51 m) at 08/27/2012 01:43 EDT.

Cedar Key, FL: Next predicted high tides are 2.8 ft (0.85 m) at 08/25/2012 22:39 EDT and 3.9 ft (1.21 m) at 08/26/2012 09:13 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:ADW

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM ISAAC ADVISORY NUMBER 18  
NWS NATIONAL HURRICANE CENTER MIAMI FL  
1100 AM EDT SAT AUG 25 2012

...CENTER OF ISAAC NEAR EASTERN CUBA...NEW WATCHES AND WARNINGS FOR PORTIONS OF FLORIDA...

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY...

THE TROPICAL STORM WARNING HAS BEEN EXTENDED NORTHWARD ALONG THE FLORIDA EAST COAST TO SEBASTIEN INLET.

A TROPICAL STORM WATCH HAS BEEN ISSUED ALONG THE FLORIDA EAST COAST NORTH OF SEBASTIEN INLET TO FLAGLER BEACH.

A TROPICAL STORM WATCH HAS BEEN ISSUED FOR THE FLORIDA WEST COAST NORTH OF BONITA BEACH TO TARPON SPRINGS.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...

- \* THE FLORIDA KEYS INCLUDING THE DRY TORTUGAS
- \* THE WEST COAST OF FLORIDA FROM BONITA BEACH SOUTHWARD
- \* FLORIDA BAY

A HURRICANE WATCH IS IN EFFECT FOR...

- \* THE FLORIDA EAST COAST FROM GOLDEN BEACH SOUTHWARD

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- \* THE FLORIDA EAST COAST FROM SEBASTIEN INLET SOUTHWARD
- \* LAKE OKEECHOBEE

A TROPICAL STORM WATCH IS IN EFFECT FOR...

- \* THE FLORIDA EAST COAST NORTH OF SEBASTIAN INLET TO FLAGLER BEACH
- \* THE FLORIDA WEST COAST NORTH OF BONITA BEACH TO TARPON SPRINGS

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA. A WARNING IS TYPICALLY ISSUED 36 HOURS BEFORE THE ANTICIPATED FIRST OCCURRENCE OF TROPICAL STORM FORCE WINDS...CONDITIONS THAT MAKE OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD BE RUSHED TO COMPLETION.

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...IN THIS CASE WITHIN THE NEXT 24 TO 36 HOURS.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA WITHIN 36 HOURS.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...GENERALLY WITHIN 48 HOURS.

INTERESTS IN THE REMAINDER OF FLORIDA SHOULD MONITOR THE PROGRESS OF ISAAC.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION SPECIFIC TO YOUR AREA OUTSIDE THE UNITED STATES...PLEASE MONITOR PRODUCTS ISSUED BY YOUR NATIONAL METEOROLOGICAL SERVICE.

DISCUSSION AND 48-HOUR OUTLOOK

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AT 1100 AM EDT THE CENTER OF TROPICAL STORM ISAAC WAS LOCATED ABOUT 40 MI E OF GUANTANAMO CUBA AND ABOUT 385 MI SSE OF NASSAU. ISAAC IS MOVING TOWARD THE NORTHWEST NEAR 17 MPH. A GENERAL NORTHWESTWARD MOTION IS EXPECTED DURING THE NEXT 48 HOURS. ON THE FORECAST TRACK...THE CENTER OF ISAAC SHOULD MOVE NEAR OR OVER EASTERN CUBA TODAY...NEAR OR OVER CENTRAL CUBA TONIGHT...AND MOVE NEAR OR OVER THE FLORIDA KEYS AND THE SOUTHERN FLORIDA PENINSULA

SUNDAY OR SUNDAY NIGHT.

MAXIMUM SUSTAINED WINDS ARE NEAR 60 MPH WITH HIGHER GUSTS. LITTLE CHANGE IN STRENGTH IS EXPECTED TODAY. SOME STRENGTHENING IS FORECAST TONIGHT THROUGH MONDAY...AND ISAAC IS EXPECTED TO BECOME A HURRICANE SUNDAY OR SUNDAY NIGHT.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 205 MILES FROM THE CENTER.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 998 MB.

#### HAZARDS AFFECTING LAND

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RAINFALL...TOTAL RAIN ACCUMULATIONS OF 4 TO 8 INCHES...WITH MAXIMUM AMOUNTS OF 12 INCHES...ARE POSSIBLE ACROSS JAMAICA...THE CENTRAL AND EASTERN PORTIONS OF CUBA...THE FLORIDA KEYS AND THE SOUTHERN PENINSULA OF FLORIDA. THESE RAINS COULD CAUSE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES.

WIND...TROPICAL STORM CONDITIONS ARE OCCURRING OVER PORTIONS OF THE DOMINICAN REPUBLIC AND HAITI...EASTERN CUBA...THE SOUTHEASTERN BAHAMAS AND THE TURKS AND CAICOS ISLANDS. TROPICAL STORM CONDITIONS ARE EXPECTED OVER THE CENTRAL BAHAMAS LATER TODAY AND TONIGHT...AND OVER THE NORTHWESTERN BAHAMAS BY SUNDAY MORNING. HURRICANE CONDITIONS ARE POSSIBLE ON ANDROS ISLAND ON SUNDAY. TROPICAL STORM CONDITIONS ARE EXPECTED OVER CENTRAL CUBA BY LATER TODAY AND TONIGHT. TROPICAL STORM CONDITIONS ARE EXPECTED TO REACH NORTHWESTERN CUBA AND THE NORTHWESTERN BAHAMAS BY TONIGHT OR SUNDAY.

HURRICANE CONDITIONS ARE EXPECTED IN THE HURRICANE WARNING AREA IN SOUTHWEST FLORIDA AND THE FLORIDA KEYS ON SUNDAY...WITH TROPICAL STORM CONDITIONS EXPECTED BY EARLY SUNDAY. HURRICANE CONDITIONS ARE POSSIBLE IN THE HURRICANE WATCH AREA IN SOUTHEAST FLORIDA ON SUNDAY...WITH TROPICAL STORM CONDITIONS EXPECTED IN THE TROPICAL STORM WARNING AREA IN FLORIDA BY EARLY SUNDAY. TROPICAL STORM CONDITIONS ARE POSSIBLE IN THE TROPICAL STORM WATCH AREA IN FLORIDA BY SUNDAY NIGHT OR MONDAY.

STORM SURGE...THE COMBINATION OF A STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

SOUTHWEST FLORIDA COAST...5 TO 7 FT

SOUTHEAST FLORIDA COAST AND THE FLORIDA KEYS...1 TO 3 FT

THE DEEPEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST IN AREAS OF ONSHORE FLOW. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL WEATHER SERVICE OFFICE. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY DANGEROUS WAVES.

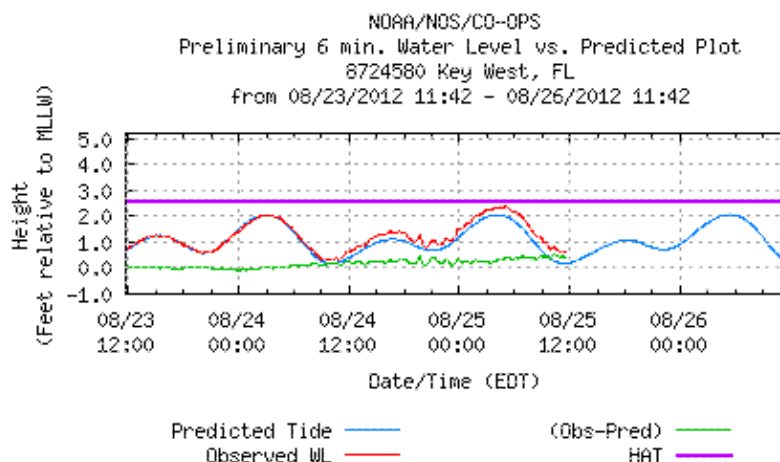
SURF...DANGEROUS SURF AND RIP CURRENT CONDITIONS WILL AFFECT HISPANIOLA...THE BAHAMAS...THE TURKS AND CAICOS...EASTERN AND CENTRAL CUBA...AND THE EAST COAST OF FLORIDA AND THE FLORIDA KEYS DURING THE NEXT COUPLE OF DAYS. PLEASE CONSULT PRODUCTS FROM YOUR LOCAL WEATHER OFFICE FOR MORE INFORMATION.

FORECASTER BEVEN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Key West - Water Level](#), [Key West - Barometric](#), [Vaca Key - Water Level](#), [Vaca Key - Winds](#), [Vaca Key - Barometric](#), [Virginia Key - Water Level](#), [Virginia Key - Winds](#), [Virginia Key - Barometric](#), [Lake Worth Pier - Water Level](#), [Lake Worth Pier - Winds](#), [Lake Worth Pier - Barometric](#), [Trident Pier - Water Level](#), [Trident Pier - Winds](#), [Trident Pier - Barometric](#), [Naples - Water Level](#), [Naples - Winds](#), [Naples - Barometric](#), [Fort Myers - Water Level](#), [Fort Myers - Winds](#), [Fort Myers - Barometric](#), [St. Petersburg - Water Level](#), [St. Petersburg - Winds](#), [St. Petersburg - Barometric](#), [Cedar Key - Water Level](#), [Cedar Key - Winds](#), [Cedar Key - Barometric](#),

[Key West, FL - Return to List](#)

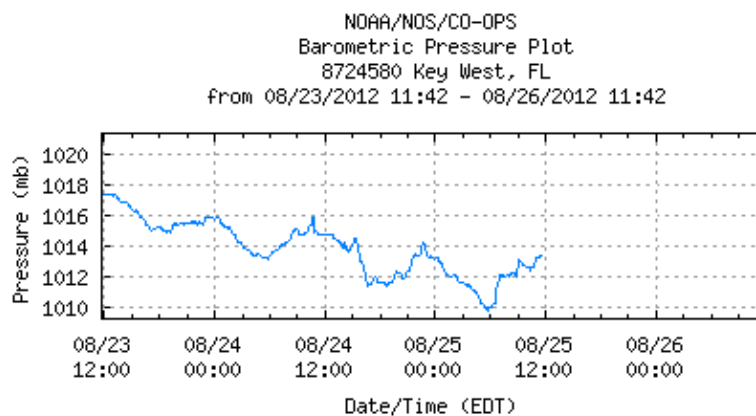


Last Observed Sample: 08/25/2012 11:30 (EDT)

Relative to MLLW: **Observed: 0.59 ft.** **Predicted: 0.18 ft.** **Residual: 0.41 ft.**

Historical Maximum Water Level: Oct 24 2005, 3.14 ft. above MHHW

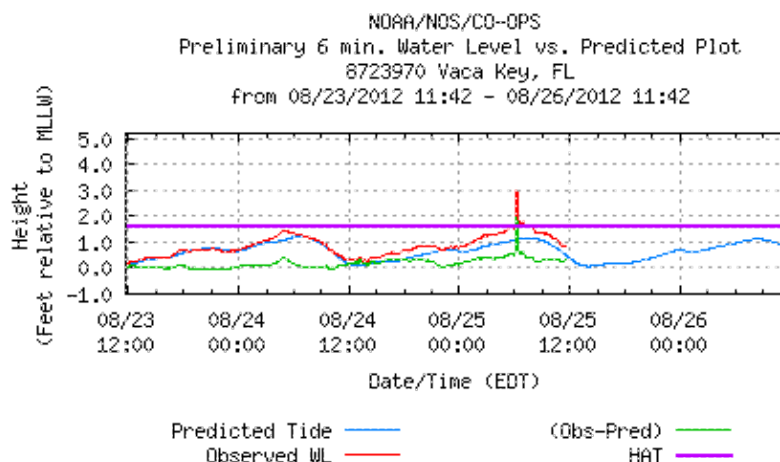
[Key West, FL - Return to List](#)



Last Observed Sample: 08/25/2012 11:30 (EDT)

**Barometric Pressure: 1013.4 mb**

Vaca Key, FL - Return to List

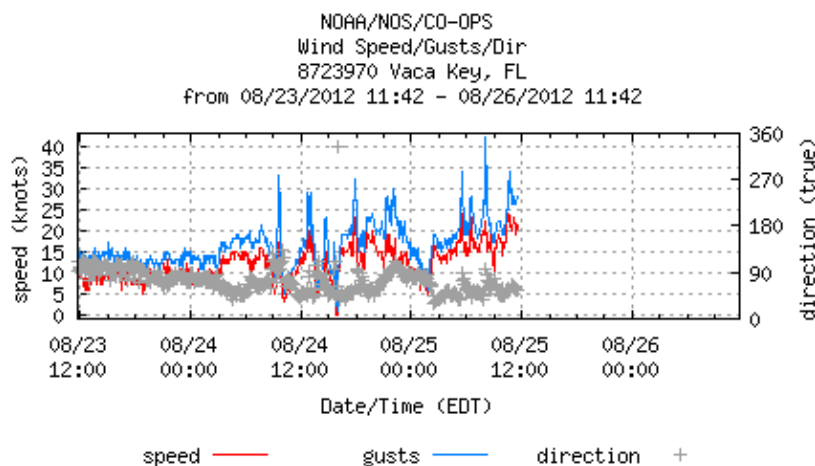


Last Observed Sample: 08/25/2012 11:30 (EDT)

Relative to MLLW: **Observed: 0.81 ft.** **Predicted: 0.52 ft.** **Residual: 0.29 ft.**

Historical Maximum Water Level: Oct 24 2005, 5.8 ft. above MHHW

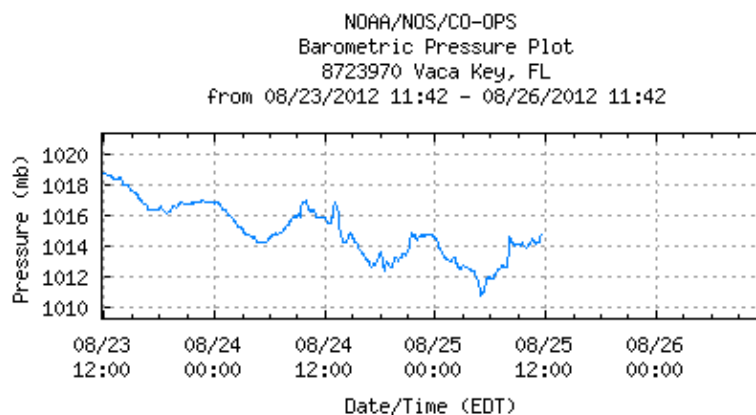
Vaca Key, FL - Return to List



Last Observed Sample: 08/25/2012 11:30 (EDT)

**Wind Speed: 21 knots** **Gusts: 28 knots** **Direction: 55° T**

Vaca Key, FL - Return to List

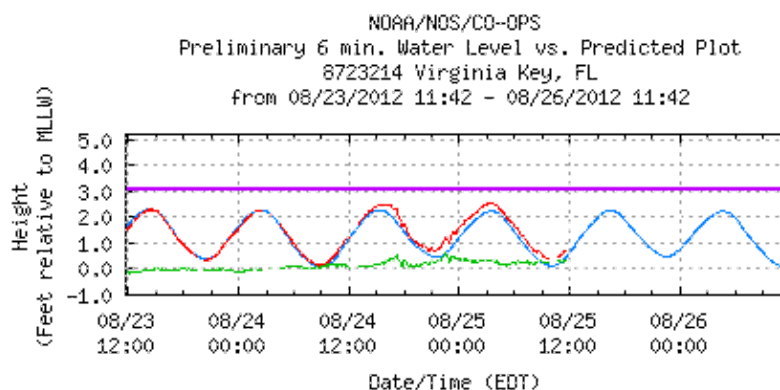


barometric pressure —

Last Observed Sample: 08/25/2012 11:30 (EDT)

Barometric Pressure: 1014.8 mb

Virginia Key, FL - Return to List



Predicted Tide —

Observed WL —

(Obs-Pred) —

HAT —

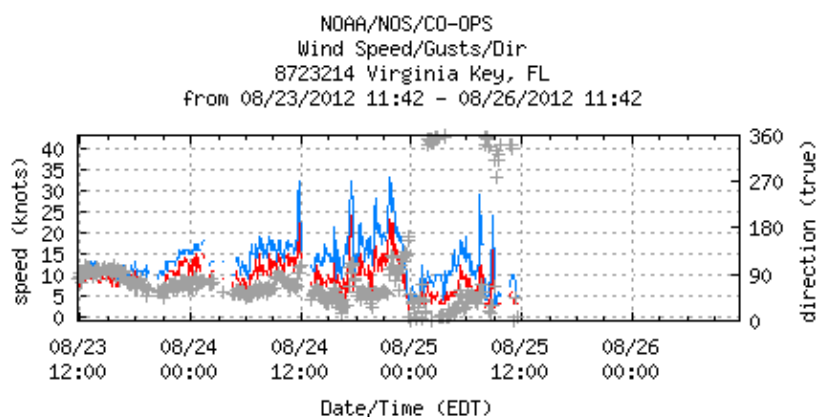
Last Observed Sample: 08/25/2012 11:30 (EDT)

Relative to MLLW: **Observed: 0.73 ft.** **Predicted: 0.42 ft.** **Residual: 0.31 ft.**

Historical Maximum Water Level: Oct 24 2005, 2.58 ft. above MHHW

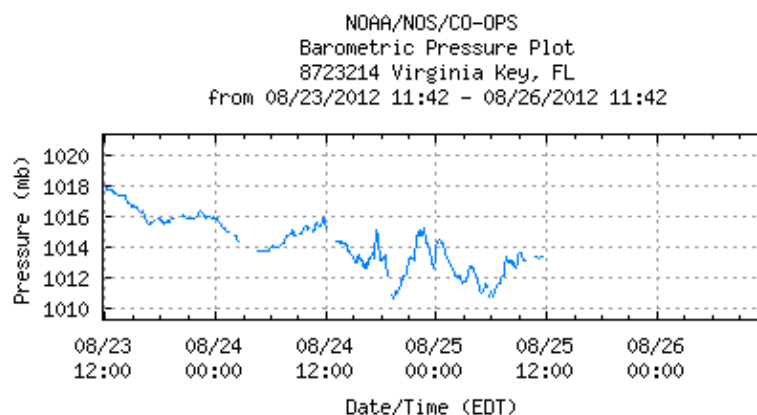


Virginia Key, FL - Return to List



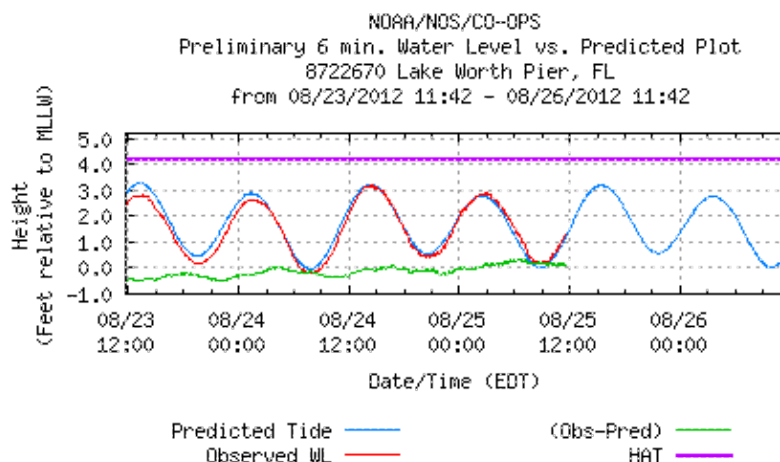
speed — gusts — direction +  
Last Observed Sample: 08/25/2012 11:30 (EDT)  
Wind Speed: 3 knots Gusts: 5 knots Direction: 6° T

Virginia Key, FL - Return to List



barometric pressure —  
Last Observed Sample: 08/25/2012 11:30 (EDT)  
Barometric Pressure: 1013.4 mb

Lake Worth Pier, FL - Return to List

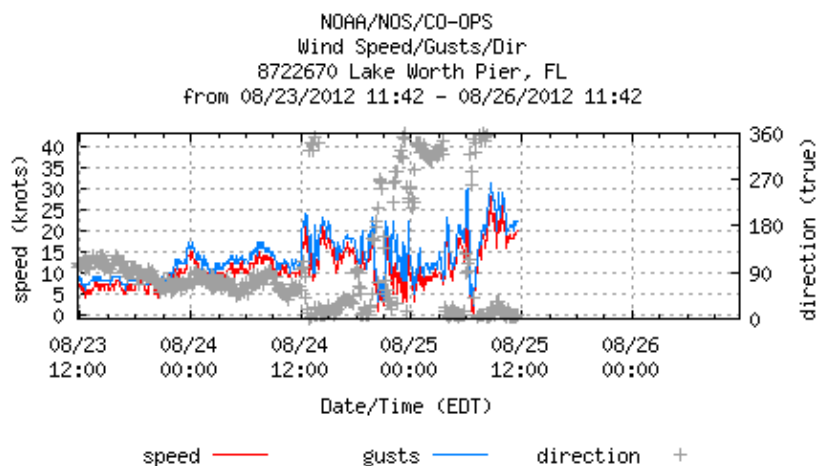


Last Observed Sample: 08/25/2012 11:30 (EDT)

Relative to MLLW: **Observed: 1.26 ft.** **Predicted: 1.16 ft.** **Residual: 0.10 ft.**

Historical Maximum Water Level: Nov 23 1984, 1.88 ft. above MHHW

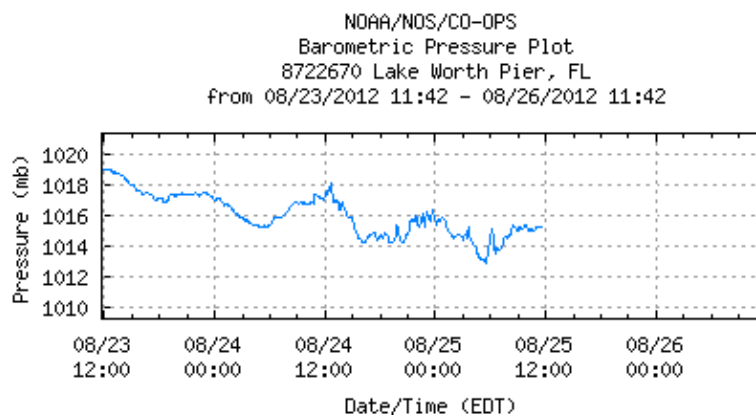
Lake Worth Pier, FL - Return to List



Last Observed Sample: 08/25/2012 11:30 (EDT)

**Wind Speed: 20 knots** **Gusts: 22 knots** **Direction: 8° T**

Lake Worth Pier, FL - Return to List

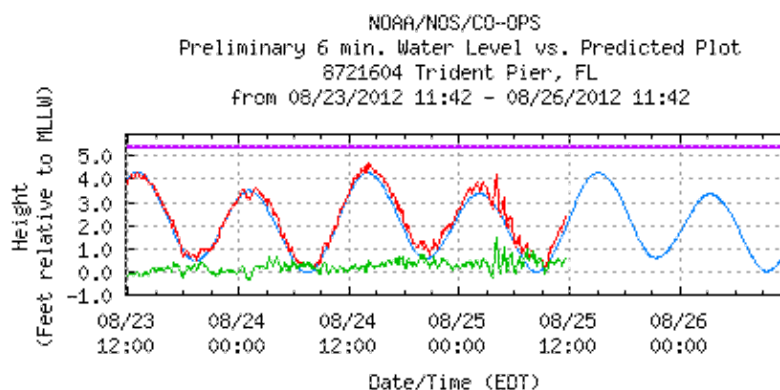


barometric pressure —

Last Observed Sample: 08/25/2012 11:30 (EDT)

Barometric Pressure: 1015.2 mb

Trident Pier, FL - Return to List



Predicted Tide —

Observed WL —

(Obs-Pred) —

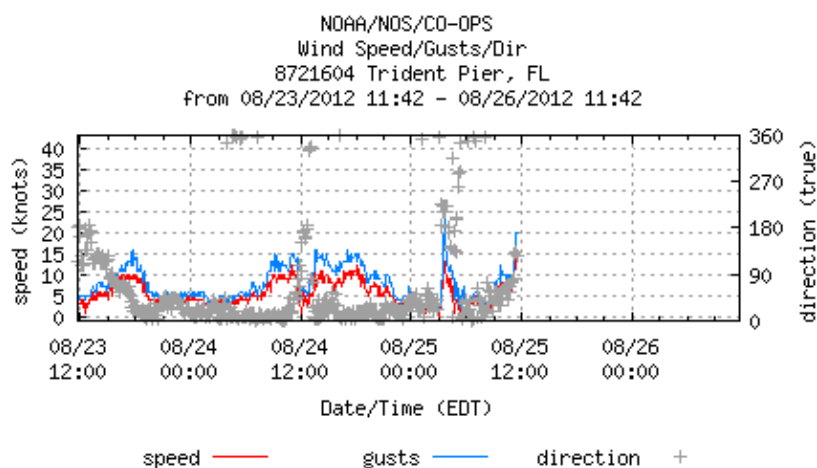
HAT —

Last Observed Sample: 08/25/2012 11:30 (EDT)

Relative to MLLW: Observed: 2.40 ft. Predicted: 1.84 ft. Residual: 0.56 ft.

Historical Maximum Water Level: Sep 26 2004, 4.01 ft. above MHHW

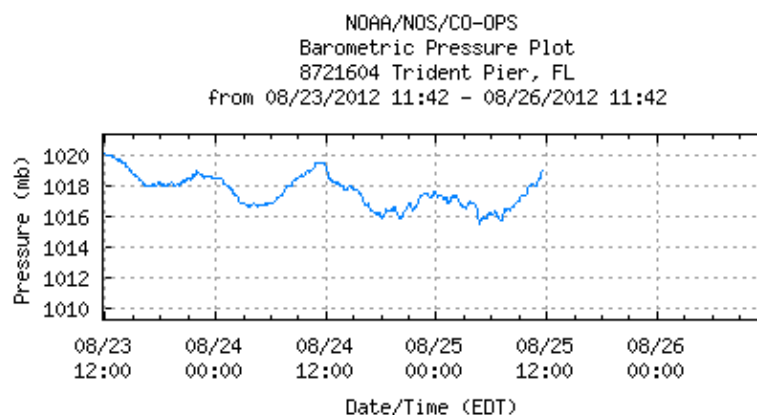
Trident Pier, FL - Return to List



Last Observed Sample: 08/25/2012 11:30 (EDT)

Wind Speed: 13 knots Gusts: 20 knots Direction: 125° T

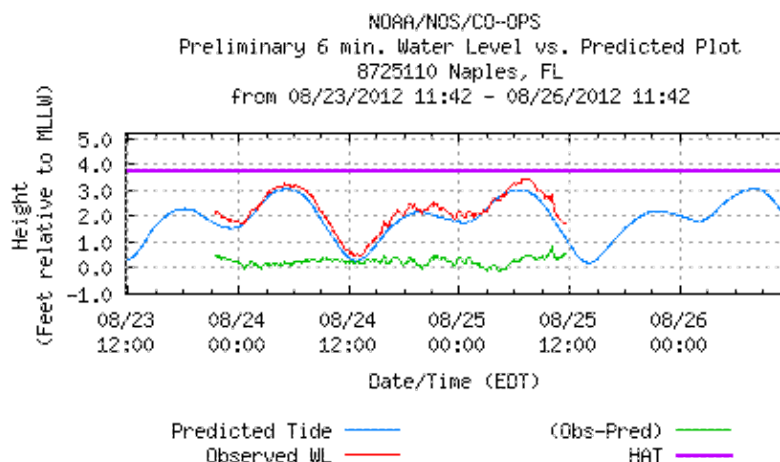
Trident Pier, FL - Return to List



Last Observed Sample: 08/25/2012 11:30 (EDT)

Barometric Pressure: 1018.9 mb

Naples, FL - Return to List

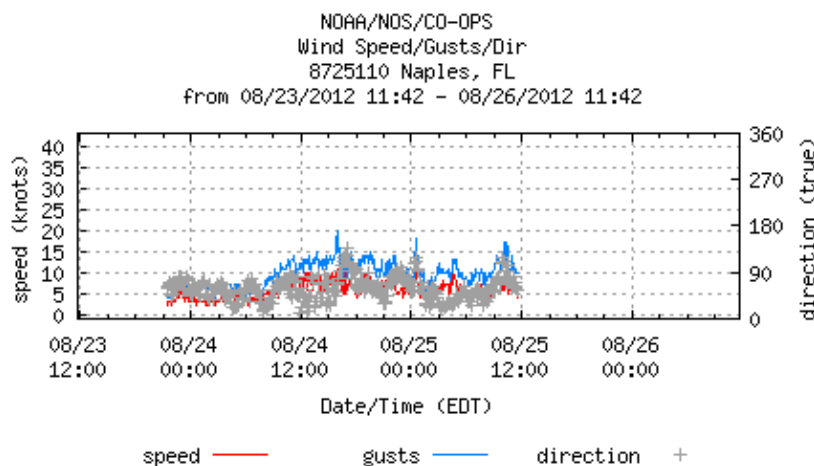


Last Observed Sample: 08/25/2012 11:30 (EDT)

Relative to MLLW: **Observed: 1.75 ft.** **Predicted: 1.18 ft.** **Residual: 0.57 ft.**

Historical Maximum Water Level: Dec 21 1972, 3.11 ft. above MHHW

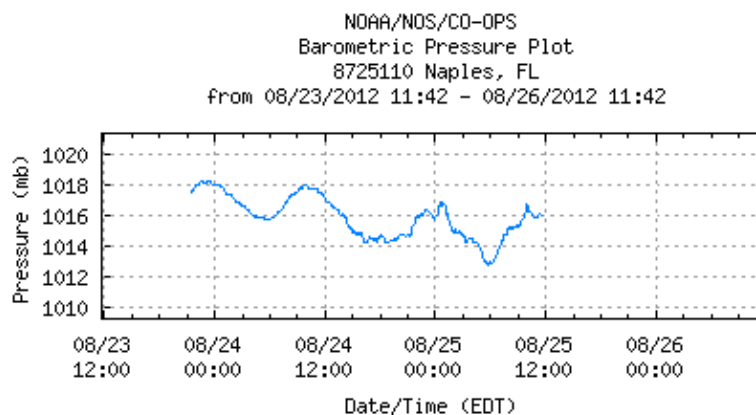
Naples, FL - Return to List



Last Observed Sample: 08/25/2012 11:30 (EDT)

**Wind Speed: 4 knots** **Gusts: 10 knots** **Direction: 57° T**

Naples, FL - Return to List

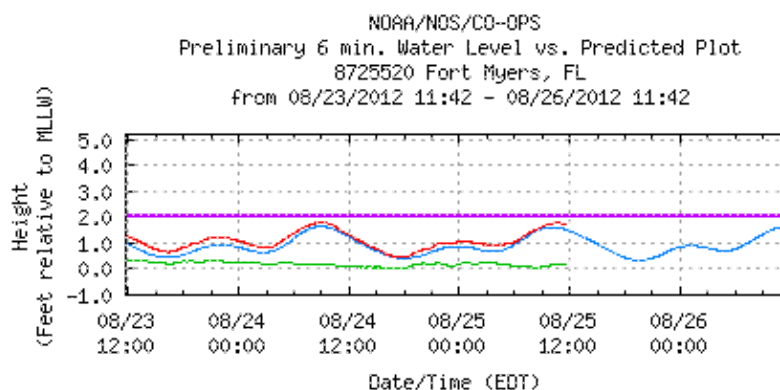


barometric pressure —

Last Observed Sample: 08/25/2012 11:30 (EDT)

Barometric Pressure: 1016.0 mb

Fort Myers, FL - Return to List



Predicted Tide —

Observed WL —

(Obs-Pred) —

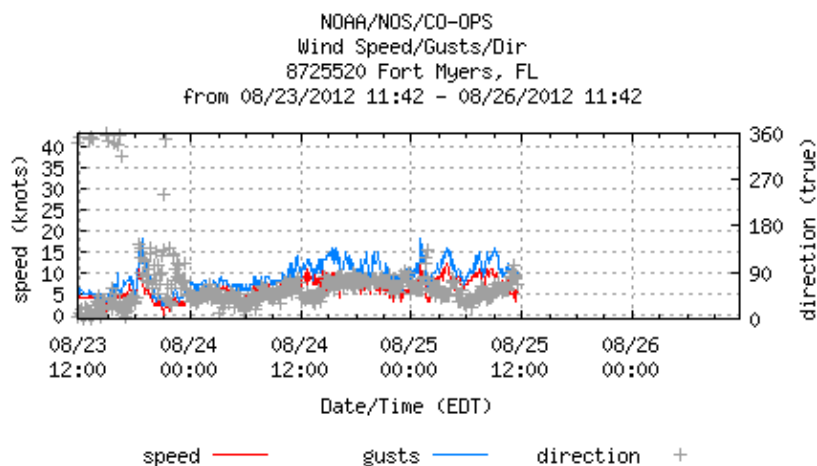
HAT —

Last Observed Sample: 08/25/2012 11:30 (EDT)

Relative to MLLW: **Observed: 1.71 ft.** **Predicted: 1.53 ft.** **Residual: 0.18 ft.**

Historical Maximum Water Level: Nov 23 1988, 3.41 ft. above MHHW

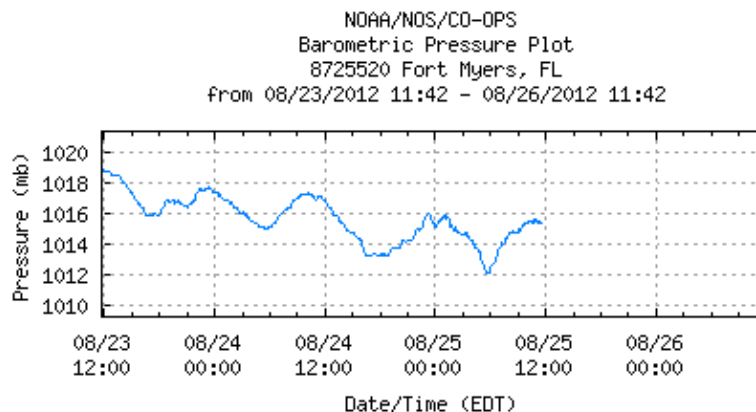
Fort Myers, FL - Return to List



Last Observed Sample: 08/25/2012 11:30 (EDT)

Wind Speed: 7 knots Gusts: 10 knots Direction: 66° T

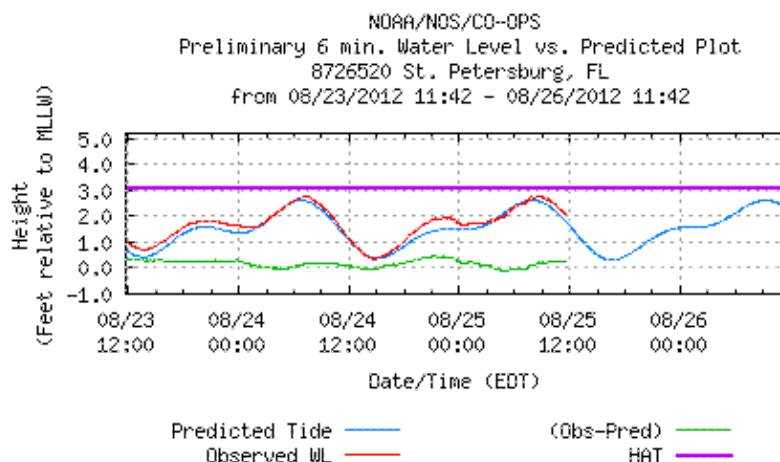
Fort Myers, FL - Return to List



Last Observed Sample: 08/25/2012 11:30 (EDT)

Barometric Pressure: 1015.4 mb

St. Petersburg, FL - Return to List

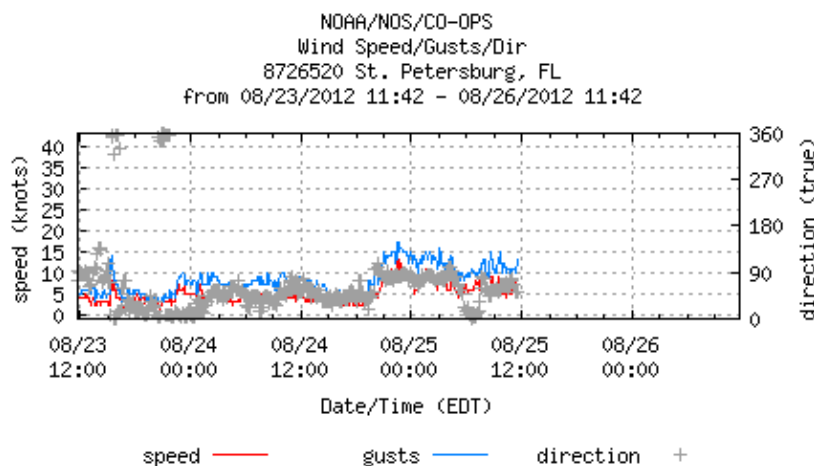


Last Observed Sample: 08/25/2012 11:30 (EDT)

Relative to MLLW: **Observed: 2.10 ft.** **Predicted: 1.83 ft.** **Residual: 0.27 ft.**

Historical Maximum Water Level: Aug 31 1985, 4 ft. above MHHW

St. Petersburg, FL - Return to List

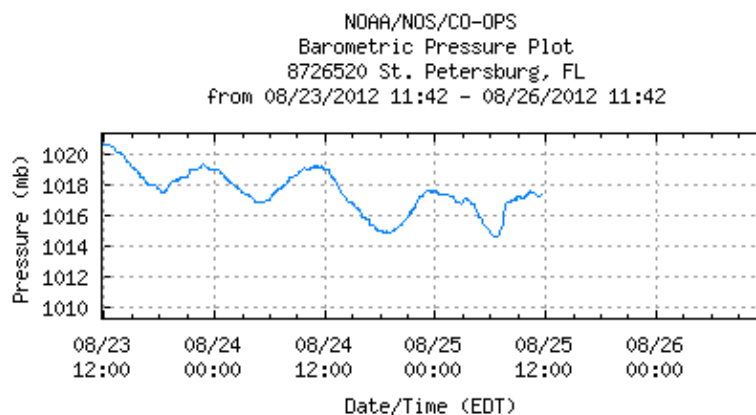


Last Observed Sample: 08/25/2012 11:30 (EDT)

**Wind Speed: 8 knots** **Gusts: 13 knots** **Direction: 53° T**



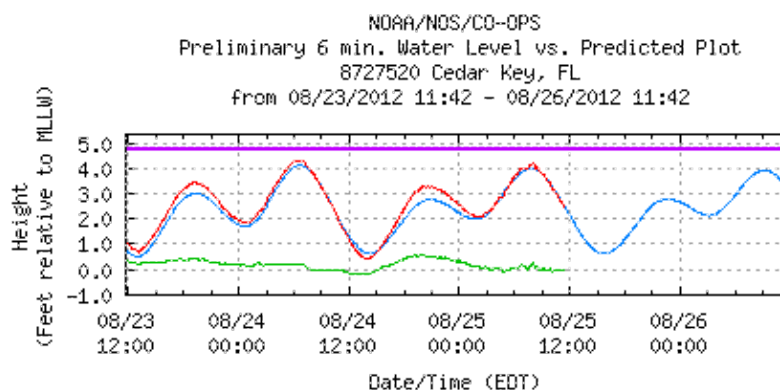
St. Petersburg, FL - Return to List



Last Observed Sample: 08/25/2012 11:30 (EDT)

Barometric Pressure: 1017.3 mb

Cedar Key, FL - Return to List

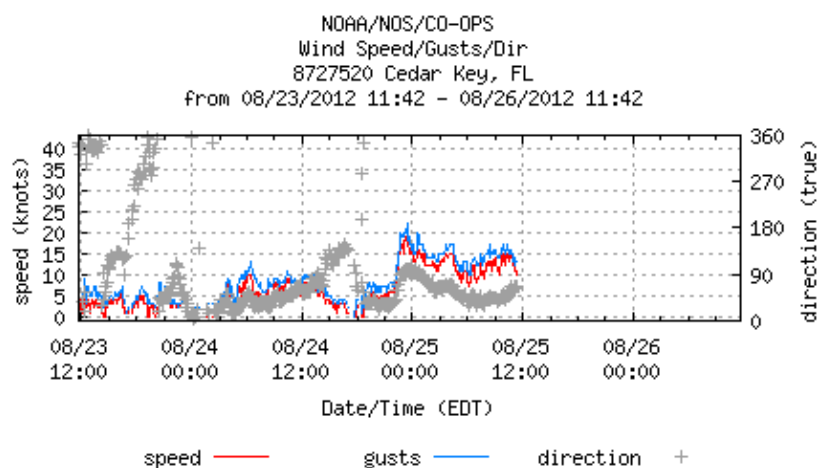


Last Observed Sample: 08/25/2012 11:24 (EDT)

Relative to MLLW: **Observed: 2.47 ft.** **Predicted: 2.51 ft.** **Residual: -0.04 ft.**

Historical Maximum Water Level: Oct 7 1996, 5.15 ft. above MHHW

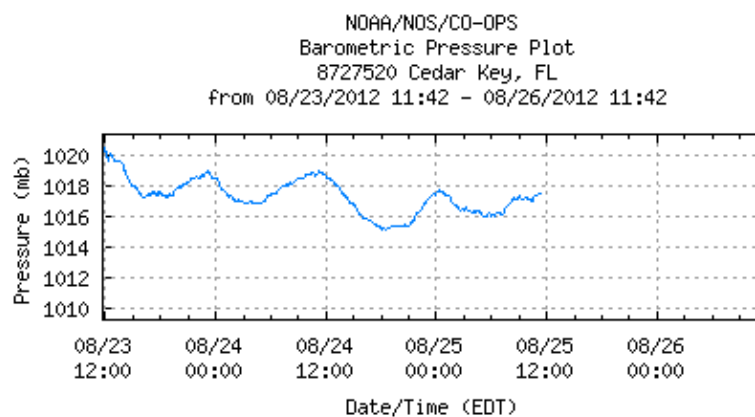
Cedar Key, FL - Return to List



Last Observed Sample: 08/25/2012 11:24 (EDT)

Wind Speed: 11 knots Gusts: 13 knots Direction: 65° T

Cedar Key, FL - Return to List



Last Observed Sample: 08/25/2012 11:24 (EDT)

Barometric Pressure: 1017.5 mb

Tropical Storm ISAAC QuickLook, POSTED 12:00 EDT 08/25/2012

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce